

FIG. 1

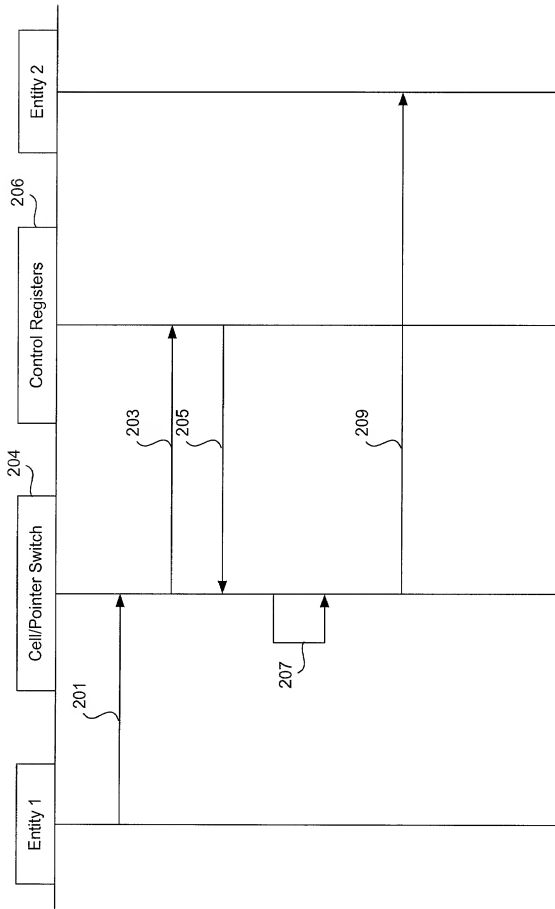


FIG. 2

000001062001
10020010101000

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graph TD; A([Add New Data Pointer to Empty Multi-Entity Queue Structure]) --> B[Read content A pointed to by FQ_old pointer]; B --> C[Read content B from memory address determined by A]; C --> D[Write content B into memory address pointed to by FQ_old]; D --> E[Write content A into memory address pointed to by Q_new]; E --> F([End]);
```

Add New Data Pointer to Empty Multi-Entity Queue Structure

Read content A pointed to by FQ_old pointer

302

Read content B from memory address determined by A

304

Write content B into memory address pointed to by FQ_old

306

Write content A into memory address pointed to by Q_new

308

End

FIG. 3

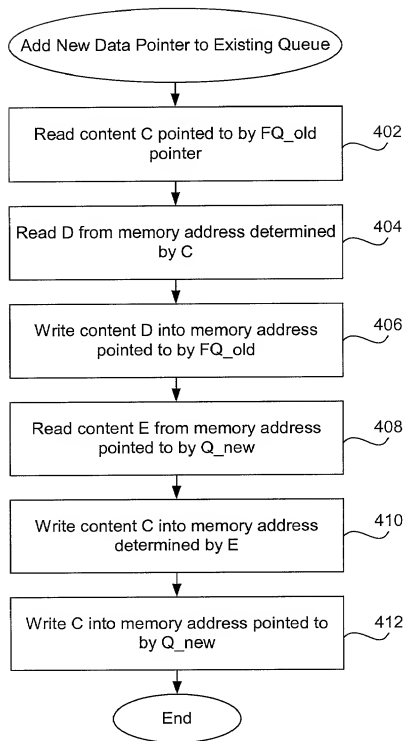


FIG. 4

Figure 6

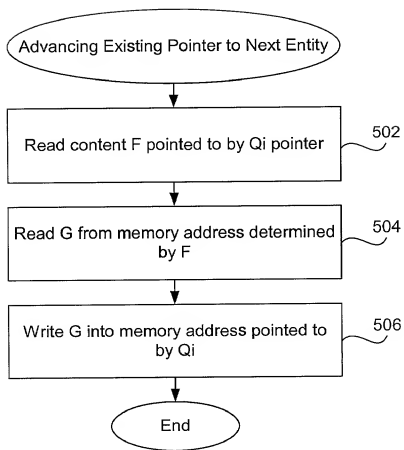


FIG. 5

Release of Data Pointer by Last Entity

Read content H pointed to by Qi pointer

602

Read content I from memory address
determined by H

604

Write I into memory address pointed to by
Qi pointer

606

Read J from memory address pointed to
by FQ_new

608

Write H into memory address determined
by J

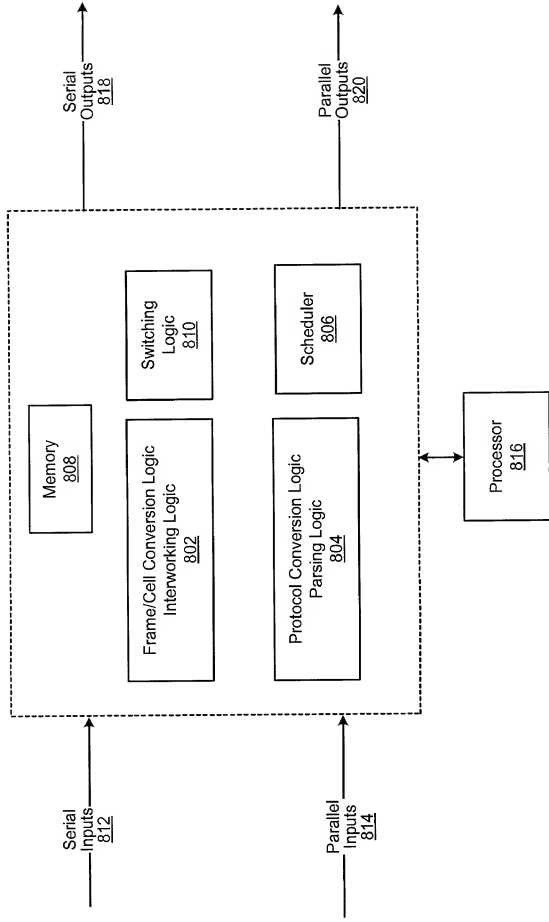
610

Write H into memory address pointed to
by FQ_new

612

End

FIG. 6



800

Fig. 8